

CLAIMS

Please amend claims 1 and 11 as follows:

1. (Currently Amended) A method, comprising:

associating at least one light source and at least one light sensor with at least one component of a data-processing system;

associating at least one other light source and at least one other light sensor with at least one other component of said data-processing system; and

communicating data ~~directly~~ between said at least one component and said at least one other component of said data-processing system by transmitting light ~~with one or less turns at a reflection point from said at least one light source directly through one or less element to said at least one other light sensor~~ and ~~or with one or less turns at another reflection point from said at least one other light source directly through said one or less element to said at least one sensor wherein said~~ light travels either directly or is guided only by at least one mirror from said at least one light source to said at least one other light sensor and from said at least one other light source to said at least one light sensor ~~one or less element comprises a mirror.~~

2. (Original) The method of claim 1 further comprising:

establishing at least one light path patch between said at least one component and said at least one other component of said data-processing system in order to communicate data by light among said at least one light source, said at least one sensor, said at least one other light source and said at least one other sensor.

3. (Original) The method of claim 1 further comprising:

configuring said at least one light source to comprise an LED; and

configuring said at least one other light source to comprise an LED.

4. (Original) The method of claim 1 further comprising
configuring said at least one light source to comprise a VCSEL; and
configuring said at least one other light source to comprise a VCSEL.
5. (Original) The method of claim 1 further comprising:
providing at least one mirror to guide light emitted from said at least one
light source to said at least one other light sensor or light emitted from said at least
one other light source to said at least one light sensor.
6. (Original) The method of claim 1 further comprising:
establishing at least one light path patch between said at least one
component and said at least one other component of said data-processing system
in order to communicate data by light among said at least one light source, said at
least one sensor, said at least one other light source and said at least one other
sensor; and
locating at least one mirror at an end of said at least one light path in order
to guide light emitted from said at least one light source to said at least one other
light sensor or light emitted from said at least one other light source to said at least
one light sensor.
7. (Original) The method of claim 1 further comprising:
aligning said at least one component directly opposite said at least one other
component in order to form at least one direct light path between said at least one
light source and said at least one other sensor and said at least one other light
source and said at least one light sensor.
8. (Original) The method of claim 1 further comprising:

aligning said at least one component perpendicular to said at least one other component in order to form a perpendicular light path between said at least one light source and said at least one other sensor and said at least one other light source and said at least one light sensor, wherein said perpendicular light path is guided by at least one mirror.

9. (Original) The method of claim 8 wherein said at least one mirror is located at 45 degree angle to said at least component and said at least one other component of said data-processing system.

10. (Original) The method of claim 1 wherein said light transmitted from said at least one light source to said at least one other light sensor and from said at least one other light source to said at least one sensor comprises IR light.

11. (Currently Amended) A system, comprising:

at least one light source and at least one light sensor associated with at least one component of a data-processing system;

at least one other light source and at least one other light sensor associated with at least one other component of said data-processing system; and

wherein data is communicated ~~directly~~ between said at least one component and said at least one other component of said data-processing system by transmitting light ~~with one or less turns at a reflection point~~ from said at least one light source ~~directly through one or less element~~ to said at least one other light sensor and ~~or with one or less turns at a reflection point~~ from said at least one other light source ~~directly through one or less element~~ to said at least one sensor wherein said light travels either directly or is guided only by at least one mirror from said at least one light source to said at least one other light sensor and from said at least one other light source to said at least one light sensor ~~one or less element comprises a mirror.~~

12. (Original) The system of claim 11 further comprising:

at least one light path patch established between said at least one component and said at least one other component of said data-processing system in order to communicate data by light among said at least one light source, said at least one sensor, said at least one other light source and said at least one other sensor.

13. (Original) The system of claim 11 wherein said at least one light source and said at least one other light source each comprise an LED.

14. (Original) The system of claim 11 wherein said at least one light source and said at least one other light source each comprise a VCSEL.

15. (Original) The system of claim 1 further comprising:

at least one mirror for guiding light emitted from said at least one light source to said at least one other light sensor or light emitted from said at least one other light source to said at least one light sensor.

16. (Previously Amended) A system, comprising:

at least one light source and at least one light sensor associated with at least one component of a data-processing system;

at least one other light source and at least one other light sensor associated with at least one other component of said data-processing system, wherein data is communicated between said at least one component and said at least one other component of said data-processing system by transmitting light from said at least one light source to said at least one other light sensor or from said at least one other light source to said at least one sensor;

at least one light path established between said at least one component and said at least one other component of said data-processing system in order to communicate data by light among said at least one light source, said at least one sensor, said at least one other light source and said at least one other sensor; and

at least one mirror located at an end of said at least one light path in order to guide light emitted directly from said at least one light source to said at least one mirror and thence directly to said at least one other light sensor and light emitted directly from said at least one other light source to said at least one mirror and thence directly to said at least one light sensor.

17. (Previously Amended) The system of claim 16 wherein said at least one light source and said at least one light sensor utilize a different wavelength than said at least one other light source and said at least one other light sensor.

18. (Original) The system of claim 16 further comprising:

at least one component located perpendicular to said at least one other component in order to form a perpendicular light path between said at least one light source and said at least one other sensor and said at least one other light source and said at least one light sensor, wherein said perpendicular light path is guided by said at least one mirror.

19. (Original) The system of claim 16 wherein said at least one light source and said at least one other light source each comprise an LED.

20. (Original) The system of claim 16 wherein said at least one light source and said at least one other light source each comprise a VCSEL.